

## UTILITY PATENT APPLICATION TRANSMITTAL

Assistant Commissioner for Patents  
Washington, D.C. 20231  
BOX PATENT APPLICATIONCustomer No.: 23696  
Attorney Docket No.: 010305  
Date: 01/15/2002  
Express Mail Label No.: EL902898016US

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Srikant Jayaraman, Ivan Jesus Fernandez Corbaton, John Edward SmeeFor: DETERMINING COMBINER WEIGHTS AND LOG LIKELIHOOD RATIOS FOR SYMBOLS  
TRANSMITTED ON DIVERSITY CHANNELS.

Enclosed are:

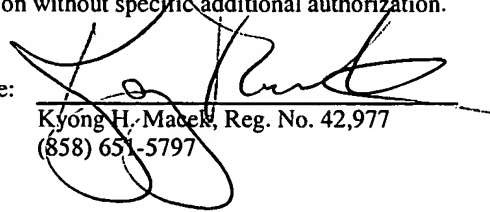
1. ☒ Patent application (23) total pages.
2. ☒ Drawings: ☐ Formal ( ) sheet(s) or ☒ Informal (5) sheet(s).
3. ☒ Declaration/Power of Attorney: ☒ Signed ☐ Unsigned
4. ☐ This application claims priority from Application Serial No. , Filed , Status .
5. ☒ An Assignment (2) pages and Recordation Form Cover Sheet.
6. ☐ A Preliminary Amendment ( ) pages.
7. ☒ Information Disclosure Statement (IDS):
  - a. ☒ PTO-1449
  - b. ☒ Copies of IDS Citations (number of citations: 2)
8. ☐ Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	20 - 20	0	x \$18 =	\$0.00
Independent**	5 - 3	2	x \$84 =	\$168.00
Multiple Dependent Claim(s): <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			\$280	\$0.00
APPLICATION FILING FEE			\$740	\$740.00
			TOTAL FEE	\$908.00

\*If the number in column a is less than 20, enter 0 in column b.

\*\*If the number in column b is less than 3, enter 0 in column b.

8. ☐ A check in the amount of \$\_\_\_\_\_ is enclosed to pay the filing fee.
9. ☒ Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$908.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10. ☒ The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: 01/15/2002Signature: Kyong H. Macek, Reg. No. 42,977  
(858) 651-5797QUALCOMM Incorporated  
Attn: Patent Department  
5775 Morehouse Drive  
San Diego, California 92121-1714  
Telephone: (858) 651-1179  
Facsimile: (858) 658-2502

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:	)	
JAYARAMAN et al.	)	For: DETERMINING COMBINER
	)	WEIGHTS AND LOG
Application No.: UNKNOWN	)	LIKELIHOOD RATIOS FOR
	)	SYMBOLS TRANSMITTED ON
	)	DIVERSITY CHANNELS
Filed: HEREWITH	)	Group No. UNKNOWN

**CERTIFICATE OF MAILING UNDER 37 CFR § 1.10**

Assistant Commissioner of Patents  
BOX NEW PATENT APPLICATIONS  
Washington, D.C. 20231

Dear Sir:

"Express Mail" mailing label No. EL902898016US  
Date of Deposit 01/15/2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents, BOX PATENT APPLICATIONS, Washington, D.C. 20231.

ENCLOSED ARE:  
TRANSMITTAL LETTER IN DUPLICATE;  
PATENT APPLICATION (23pg.); COMBINED DECLARATION/POWER OF  
ATTORNEY (Filed Signed); ASSIGNMENT, ASSIGNMENT  
RECORDATION SHEET (3PGS.); INFORMATION DISCLOSURE  
STATEMENT, PTO-FORM 1449 (IN DUPLICATE), 2 CITED REFERENCES,  
\_5\_ SHEETS OF INFORMAL DRAWINGS; CERTIFICATE OF EXPRESS MAIL; and  
POSTCARD.

Carola Emelius-Swartz

(Name)

(Signature)

QUALCOMM Incorporated  
5775 Morehouse Drive  
San Diego, California 92121-1714  
Telephone: (858) 65  
Facsimile: (858) 658-2502

Attorney Docket No.: 010305  
Customer No.: 23696

205110 6630501